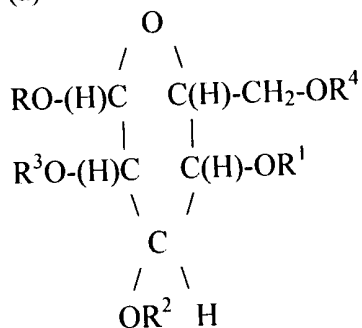


Claims;

What is claimed;

1. A surfactant composition which comprises a mixture of compounds conforming to the following structures:

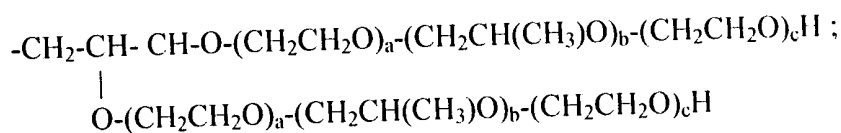
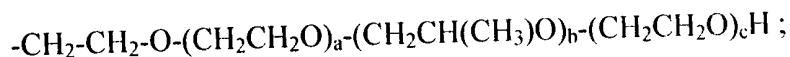
(a)



wherein;

R is alkyl having 8 to 22 carbon atoms;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are independently selected from the group consisting of :

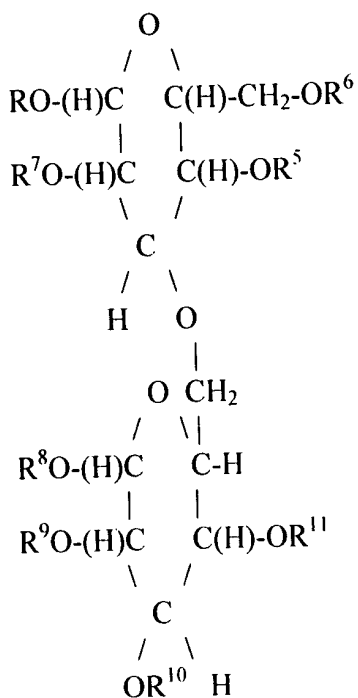


and H, with the proviso that R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are not all H;

wherein a, b and c are independently integers each ranging from 0 to 20;

and

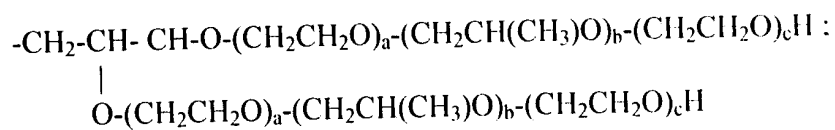
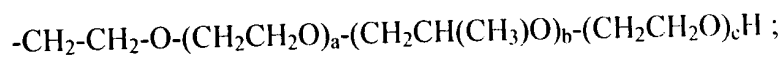
(b)



wherein;

R is alkyl having 8 to 22 carbon atoms;

$\text{R}^5, \text{R}^6, \text{R}^7, \text{R}^8; \text{R}^9, \text{R}^{10}$  and  $\text{R}^{11}$  are independently selected from the group consisting of

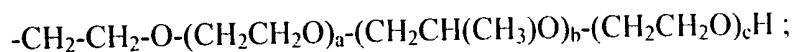


and H, with the proviso that are  $\text{R}^5, \text{R}^6, \text{R}^7, \text{R}^8; \text{R}^9, \text{R}^{10}$  and  $\text{R}^{11}$  not all H;

a, b and c are independently integers each ranging from 0 to 20.

2. A surfactant compositions of claim 1 wherein;

$R^5, R^6, R^7, R^8; R^9, R^{10}$  and  $R^{11}$  are independently selected from the group consisting of

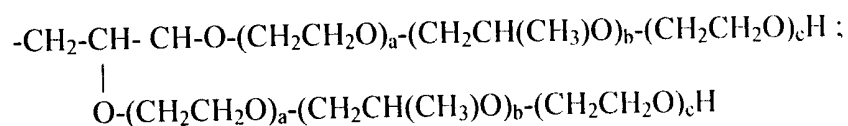


and H, with the proviso that are  $R^5, R^6, R^7, R^8; R^9, R^{10}$  and  $R^{11}$  not all H;

a, b and c are independently integers each ranging from 0 to 20.

3. A surfactant compositions of claim 1 wherein

$R^5, R^6, R^7, R^8; R^9, R^{10}$  and  $R^{11}$  are independently selected from the group consisting of

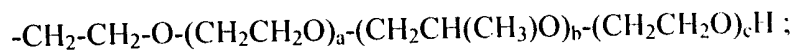


and H, with the proviso that are  $R^5, R^6, R^7, R^8; R^9, R^{10}$  and  $R^{11}$  not all H;

a, b and c are independently integers each ranging from 0 to 20.

4. A surfactant compositions of claim 1 wherein;

$R^1, R^2, R^3$  and  $R^4$  are independently selected from the group consisting of

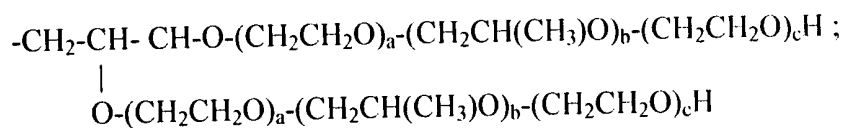


and H, with the proviso that are  $R^5, R^6, R^7, R^8; R^9, R^{10}$  and  $R^{11}$  not all H;

a, b and c are independently integers each ranging from 0 to 20.

5. A surfactant compositions of claim 1 wherein

$R^1, R^2, R^3$ , and  $R^4$  are independently selected from the group consisting of



and H, with the proviso that are  $R^1, R^2, R^3$ , and  $R^4$  not all H;

6. A surfactant compositions of claim 2 wherein R is  $C_{12}H_{25}$ .

7. A surfactant compositions of claim 2 wherein R is  $C_{10}H_{21}$ .

8. A surfactant compositions of claim 2 wherein R is  $C_{22}H_{42}$ .

9. A surfactant compositions of claim 3 wherein R is  $C_{12}H_{25}$ .

10. A surfactant compositions of claim 3 wherein R is  $C_{10}H_{21}$ .

11. A surfactant compositions of claim 3 wherein R is  $C_{22}H_{42}$ .

12. A surfactant compositions of claim 4 wherein R is  $C_{12}H_{25}$ .

13. A surfactant compositions of claim 4 wherein R is  $C_{10}H_{21}$ .

14. A surfactant compositions of claim 4 wherein R is  $C_{22}H_{42}$ .

15. A surfactant compositions of claim 5 wherein R is  $C_{12}H_{25}$ .

16. A surfactant compositions of claim 5 wherein R is  $C_{10}H_{21}$ .

17. A surfactant compositions of claim 5 wherein R is  $C_{22}H_{42}$ .